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News Release

General Micro Systems Receives Multiple Honors in *Military & Aerospace Electronics* 2018 Innovation Awards Program

Independent Judges Give Two Platinums and One Gold to GMS' C4ISR Mobile Systems and Servers Powering Critical Next-Generation Military Applications

RANCHO CUCAMONGA, Calif., December 18, 2018 – General Micro Systems (GMS) today announced that three of its rugged C4ISR mobile systems and servers have been honored with 2018 Technology Innovation Awards from [Military & Aerospace Electronics](#). The S402-SW “Tiger”, a mobile battlefield data center that provides server-class performance in a ruggedized conduction-cooled system, received a platinum award as did the S1U401-MD “Cyclone,” a 1U rackmount, multi-domain Red/Black server and multi-port Ethernet switch/router designed for low price, space efficiency and ultimate battlefield network security. The 2U Apex—the “Forever Server” system that is compact, secure, exceptionally powerful, rugged and modular—received a gold. Like all of GMS’s products, these award-winning systems are fully designed and manufactured in the USA.

“The U.S. military is racing to advance new battlefield technologies to fight the very real and aggressive threat from our so-called ‘near peer’ adversaries, and our rugged systems and servers are playing a pivotal role in these next-generation applications,” said Ben Sharfi, CEO and chief architect, GMS. “These award-winning rugged systems in particular offer some of the most powerful and highest-performing computing available in various forms, but all incorporate entire tents’ worth of capabilities into single products that could fit in the back of a Humvee or even a small unmanned vehicle.”

- The [S402-SW “Tiger”](#), developed for the U.S. Army's Product Manager Mine Resistant Ambush Protected Vehicle Systems (PdM MRAP VS), is sealed and operates in temperatures from -40 to 85 degrees Celsius with no fans required. The S402-SW meets the challenge of combining multiple chassis and functions into a single, small, conduction-cooled server to fit into a very tight space in the vehicle—at a price point roughly one-third of the previous separate chassis and functions.
- The [S1U401-MD “Cyclone”](#) is a rugged packaging trailblazer, with each of its two isolated domains (Red/Black) boasting six times the functionality of traditional foreign-made motherboard-based blade servers. This makes the 1U Cyclone a 12x improvement over traditional systems.
- The [Apex](#) rackmount server is designed for harsh use but is able to evolve and upgrade as system needs change over many years. The system is so densely packed that it can reduce

an entire rack's worth (17U) of functionality into a single product—also saving size, weight, power (SWaP) and total cost of ownership (TCO).

The Technology Innovation Awards recognize companies offering substantial military, aerospace, and avionics design solutions. An independent panel of senior third-party industry professionals base their scores (platinum, gold and silver) on the following criteria:

- Innovation
- Value to the User
- Sustainability
- Meeting a Defined Need
- Collaboration
- Impact

"This prestigious program allows *Military & Aerospace Electronics* to celebrate and recognize the most innovative products and services in the military electronics industry," said publisher Alan Bergstein. "Our 2018 Honorees are an outstanding example of companies who are making an impact."

For more information:

- S402-SW: [datasheet](#)
- S1U401-MD: [press release](#)
- Apex: [press release](#)

High resolution photos:

- S402-SW: <http://www.gms4sbc.com/press/S402-SW>
- S1U401-MD: <http://www.gms4sbc.com/press/S1U401-MD/>
- Apex: <http://www.gms4sbc.com/press/Apex/>

Link to award logos:

- <http://www.gms4sbc.com/press/MAE/>

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About General Micro Systems:

General Micro Systems (GMS) is the industry expert in highest-density, modular, compute-intensive, and rugged small form-factor embedded computing systems, servers, switches and smart displays. These powerful systems are ideal for demanding C4ISR defense, aerospace, medical, industrial, and energy exploration applications. GMS is an IEC, ISO, AS9100, NIST-800-171, and MIL-SPEC supplier with infrastructure and operations for long-life, spec-controlled, and configuration-managed programs. Designed from the ground up to provide the highest performance and functionality in the harshest environments on the planet, the company's highly customizable products include GMS Rugged DNA™ with patented RuggedCool™ cooling technology. GMS is also the leader in deployable high-end Intel® processors and a proud Intel® partner since 1986. For more information, visit www.gms4sbc.com.

Media Contacts:

Hughes Communications, Inc.
Kelly Wanlass
801-602-4723
kelly@hughescom.net

General Micro Systems
Chris A. Ciufu
360-921-7556
cciufu@gms4sbc.com